

AMENDMENT TO THE CLAIMS:

Replace the claims with the following rewritten listing:

1. (Currently Amended) A method of effecting a reduction of energy usage in a room of a multi-unit building, comprising:

determining a vacant occupancy status of the room;

generating digital commands in response to the vacant occupancy status of the room;

converting the digital commands at a gateway device located inside of the room into

~~infrared-wireless~~ commands;

transmitting the ~~infrared-wireless~~ commands from the gateway device;

receiving the ~~infrared-wireless~~ commands at a room environment control device

located inside of the room; and

converting the ~~infrared-wireless~~ commands into electronic commands which are processed by the room environmental control device to effect a reduction of energy usage by a room environmental device associated with the room environmental control device;

wherein the gateway device is connected to a network of the multi-unit building and the digital commands are provided by the network.

2. (Original) The method of claim 1 wherein the vacant occupancy status comprises an un-rented room.

3. (Original) The method of claim 1 wherein the vacant occupancy status comprises a rented room that is un-occupied.

4. (Original) The method of claim 1 wherein the determining the vacant occupancy status comprises tracking actuation of a door switch associated with a door of the room.

5. (Original) The method of claim 1 wherein the determining the vacant occupancy

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status comprises detecting motion within the room.

6. (Currently Amended) The method of claim 1 further comprising:
receiving the ~~infrared~~wireless commands at a window treatment control device within
the room; and

converting the ~~infrared~~wireless commands into electronic commands which are
processed by the window treatment control device to set the window treatment to effect a
reduction of energy usage by the room environmental device.

7. (Original) The method of claim 1 wherein the gateway device is associated with at
least one of a light switch, a mini-bar, a telephone, a door lock, and a television set top box.

8. (Cancelled)

9. (Original) The method of claim 1 wherein the room environmental control device
comprises a thermostat.

10. (Original) The method of claim 1 wherein the room environmental device
comprises one of a Fan Coil Unit, a Heating Ventilation and Air Conditioning system, a
Packaged Terminal Air Conditioner, and an Energy Management System.

11. (Currently Amended) The method of claim 1 wherein the ~~infrared~~wireless
commands are diffused infrared dispersion.

12. (Currently Amended) A system for effecting a reduction of energy usage in a
room of a multi-unit building, comprising:

means for determining a vacant occupancy status of the room to generate digital
commands in response thereto;

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a gateway device located inside of the room for converting the digital commands into ~~infrared~~wireless commands and transmitting the ~~infrared~~wireless commands within the room; and

a room environment control device located inside of the room, the room environment control device including means for receiving the ~~infrared~~wireless commands and converting the ~~infrared~~wireless commands into electronic commands which are processed to effect a reduction of energy usage by a room environmental device associated with the room environmental control device;

wherein the gateway device is connected to a network of the multi-unit building and the digital commands are provided by the network.

13. (Original) The system of claim 12 wherein the vacant occupancy status comprises an un-rented room.

14. (Original) The system of claim 12 wherein the vacant occupancy status comprises a rented room that is un-occupied.

15. (Original) The system of claim 12 wherein the means for determining the vacant occupancy status comprises a door switch associated with a door of the room.

16. (Original) The system of claim 12 wherein the means for determining the vacant occupancy status comprises a motion detector located inside of the room.

17. (Currently Amended) The system of claim 12 further comprising:

a window treatment control device located inside of the room, the window treatment control device including means for receiving the ~~infrared~~wireless commands and converting the ~~infrared~~wireless commands into electronic commands which are processed to set a window treatment to effect a reduction of energy usage by the room environmental device.

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18. (Original) The system of claim 12 wherein the gateway device is associated with at least one of a light switch, a mini-bar, a telephone, a door lock, and a television set top box.

19. (Cancelled)

20. (Original) The system of claim 12 wherein the room environmental control device comprises a thermostat.

21. (Original) The system of claim 12 wherein the room environmental device comprises one of a Fan Coil Unit, a Heating Ventilation and Air Conditioning system, a Packaged Terminal Air Conditioner, and an Energy Management System.

22. (Currently Amended) The system of claim 12 wherein the ~~infrared~~wireless commands are diffused infrared dispersion.

23. (Currently Amended) A method of profiling an occupant's desired environmental settings in a room of a multi-unit building, comprising:

converting electronic data indicative of a setting on a room environmental control device located inside of the room into ~~infrared~~wireless data;
transmitting the ~~infrared~~wireless data from the room environmental control device;
receiving the ~~infrared~~wireless data at a gateway device located inside of the room; and
converting the ~~infrared~~wireless data into digital data which is processed to generate a profile of the occupant's desired environmental settings;
wherein the gateway device is connected to a network of the multi-unit building and the digital data is provided to the network.

24. (Original) The method of claim 23 wherein the gateway device is associated with

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at least one of a light switch, a mini-bar, a telephone, a door lock, and a television set top box.

25. (Cancelled)

26. (Original) The method of claim 23 wherein the room environmental control device comprises a thermostat.

27. (Original) The method of claim 23 wherein the room environmental device comprises one of a Fan Coil Unit, a Heating Ventilation and Air Conditioning system, a Packaged Terminal Air Conditioner, and an Energy Management System.

28. (Currently Amended) The method of claim 23 wherein the ~~infrared~~wireless data is diffused infrared dispersion.

29. (Currently Amended) A system for profiling an occupant's desired environmental settings in a room of a multi-unit building, comprising:

a room environment control device located inside of the room, the room environment control device including means for converting electronic data indicative of a setting on a room environmental control device located inside of the room into ~~infrared~~wireless data and transmitting the ~~infrared~~wireless data from the room environmental control device;

a gateway device located inside of the room for receiving the ~~infrared~~wireless data at a gateway device located inside of the room and converting the ~~infrared~~wireless data into digital data; and

means for processing the digital data to generate a profile of the occupant's desired environmental settings;

wherein the gateway device is connected to a network of the multi-unit building and the digital data is provided to the network.

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30. (Original) The system of claim 29 wherein the gateway device is associated with at least one of a light switch, a mini-bar, a telephone, a door lock, and a television set top box.

31. (Cancelled)

32. (Original) The system of claim 29 wherein the room environmental control device comprises a thermostat.

33. (Original) The system of claim 29 wherein the room environmental device comprises one of a Fan Coil Unit, a Heating Ventilation and Air Conditioning system, a Packaged Terminal Air Conditioner, and an Energy Management System

34. (Currently Amended) The system of claim 29 wherein the ~~infrared~~wireless data is diffused infrared dispersion.

35-62 (Cancelled)

63. (Currently Amended) A method of effecting a reduction of energy usage in a room of a multi-unit building, comprising:

determining a vacant occupancy status of a room;

generating digital commands in response to the vacant occupancy status of a room;

converting the digital commands at a gateway device located inside of the room into

~~infrared~~wireless commands;

transmitting the ~~infrared~~wireless commands from the gateway device;

receiving the ~~infrared~~wireless commands at a window treatment control device located

inside of the room; and

converting the ~~infrared~~wireless commands into electronic commands which are processed by the window treatment control device to set the window treatment to effect a

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reduction of energy usage;

wherein the gateway device is connected to a network of the multi-unit building and the digital commands are provided by the network.

64. (Original) The method of claim 63 wherein the vacant occupancy status comprising an un-rented room.

65. (Original) The method of claim 63 wherein the vacant occupancy status comprising a rented room that is un-occupied.

66. (Original) The method of claim 63 wherein the determining the vacant occupancy status comprises tracking actuation of a door switch associated with a door of the room.

67. (Original) The method of claim 63 wherein the determining the vacant occupancy status comprises detecting motion within the room.

68. (Original) The method of claim 63 wherein the gateway device is associated with at least one of a light switch, a thermostat, a mini-bar, a telephone, a door lock, and a television set top box.

69. (Cancelled)

70. (Currently Amended) The method of claim 63 wherein the ~~infrared~~wireless commands are diffused infrared dispersion.

71. (Currently Amended) A system for effecting a reduction of energy usage in a room of a multi-unit building, comprising:
means for determining a vacant occupancy status of a room to generate digital

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commands in response to the vacant occupancy status of a room;

a gateway device located inside of the room for converting the digital commands into ~~infrared~~wireless commands and transmitting the ~~infrared~~wireless commands within the room;

a window treatment control device located inside of the room, the window treatment control device including means for receiving the ~~infrared~~wireless commands and converting the ~~infrared~~wireless commands into electronic commands which are processed to set the window treatment to effect a reduction of energy usage;

wherein the gateway device is connected to a network of the multi-unit building and the digital commands are provided by the network.

72. (Original) The system of claim 70 wherein the vacant occupancy status comprising an un-rented room.

73. (Original) The system of claim 70 wherein the vacant occupancy status comprising a rented room that is un-occupied.

74. (Original) The system of claim 70 wherein the means for determining the vacant occupancy status comprises a door switch associated with a door of the room.

75. (Original) The system of claim 70 wherein the means for determining the vacant occupancy status comprises a motion detector located inside of the room.

76. (Original) The system of claim 70 wherein the gateway device is associated with at least one of a light switch, a thermostat, a mini-bar, a telephone, a door lock, and a television set top box.

77. (Cancelled)

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78. (Currently Amended) The system of claim 70 wherein the ~~infrared~~wireless commands are diffused infrared dispersion.

79-164 (Cancelled)

165. (Currently Amended) A method of effecting a reduction of energy usage in a room of a multi-unit building, comprising:

determining a vacant occupancy status of a room;

generating digital commands in response to the vacant occupancy status of a room;

converting the digital commands at a gateway device located inside of the room into ~~infrared~~wireless commands;

transmitting the ~~infrared~~wireless commands from the gateway device;

receiving the ~~infrared~~wireless commands at a light switch located inside of the room;

and

converting the ~~infrared~~wireless commands into electronic commands which are processed to turn the light switch off;

wherein the gateway device is connected to a network of the multi-unit building and the digital commands are provided by the network.

166. (Original) The method of claim 165 wherein the vacant occupancy status comprising an un-rented room.

167. (Original) The method of claim 165 wherein the vacant occupancy status comprising a rented room that is un-occupied.

168. (Original) The method of claim 165 wherein the determining the vacant occupancy status comprises tracking actuation of a door switch associated with a door of the room.

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169. (Original) The method of claim 165 wherein the determining the vacant occupancy status comprises detecting motion within the room.

170. (Original) The method of claim 165 wherein the gateway device is associated with at least one of the light switch, a thermostat, a mini-bar, a telephone, a door lock, and a television set top box.

171. (Cancelled)

172. (Currently Amended) The method of claim 165 wherein the ~~infrared~~wireless commands are diffused infrared dispersion.

173. (Currently Amended) A system for effecting a reduction of energy usage in a room of a multi-unit building, comprising:

means for determining a vacant occupancy status of a room to generate digital commands in response to the vacant occupancy status of a room;

a gateway device located inside of the room for converting the digital commands into ~~infrared~~wireless commands and transmitting the ~~infrared~~wireless commands within the room;

a light switch located inside of the room, the light switch including means for receiving the ~~infrared~~wireless commands and converting the ~~infrared~~wireless commands into electronic commands which are processed to turn the light switch off;

wherein the gateway device is connected to a network of the multi-unit building and the digital commands are provided by the network.

174. (Original) The system of claim 173 wherein the vacant occupancy status comprising an un-rented room.

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175. (Original) The system of claim 173 wherein the vacant occupancy status comprising a rented room that is un-occupied.

176. (Original) The system of claim 173 wherein the means for determining the vacant occupancy status comprises a door switch associated with a door of the room.

177. (Original) The system of claim 173 wherein the means for determining the vacant occupancy status comprises a motion detector located inside of the room.

178. (Original) The system of claim 173 wherein the gateway device is associated with at least one of the light switch, a thermostat, a mini-bar, a telephone, a door lock, and a television set top box.

179. (Cancelled)

180. (Currently Amended) The system of claim 173 wherein the ~~infrared~~wireless commands are diffused infrared dispersion.

181-190 (Cancelled)

191. (New) A method of managing energy usage in a room of a multi-unit building, comprising:

determining a rented or un-rented status of the room at a server remote from the room;
generating digital commands at the server in response to the rented or un-rented status

of the room;

transmitting the digital commands over a network to a gateway device located inside the room;

converting the digital commands at the gateway device into wireless commands;

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transmitting the wireless commands from the gateway device;
receiving the wireless commands at a room environment control device located inside of the room; and
converting the wireless commands into electronic commands which are processed by the room environmental control device to effect an increase or a reduction of energy usage by a room environmental device associated with the room environmental control device.

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